

**CRF Errors Corrected by the STIC Systems Branch**

Serial Number: 09/077817

1600 # 11  
9/13/99  
CRF Processing Date: 9/13/99  
Edited by: [Signature]  
Verified by: [Signature] (STIC staff)

**ENTERED**

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: \_\_\_\_\_
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other \_\_\_\_\_
- ☒ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: \_\_\_\_\_
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: \_\_\_\_\_
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: \_\_\_\_\_
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: \_\_\_\_\_
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: \_\_\_\_\_
- ☐ Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as \_\_\_\_\_
- ☐ Inserted mandatory headings, specifically: \_\_\_\_\_
- ☐ Corrected an obvious error in the response, specifically: \_\_\_\_\_
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: \_\_\_\_\_
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted **ending** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: \_\_\_\_\_
- ☐ Other: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**\*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.**

3/1/95

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/077,817DATE: 09/14/1999  
TIME: 17:51:05

INPUT SET: S33326.raw

<p>This Raw Listing contains the General Information Section and up to the first 5 pages.</p>
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46

SEQUENCE LISTING

(1) General Information:

(i) APPLICANT: Caput, Daniel  
Ferrara, Pascual  
Laurent, Patrick  
Vita, Natalio

(ii) TITLE OF INVENTION: IL-13 receptor

(iii) NUMBER OF SEQUENCES: 4

(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Floppy disk  
(B) COMPUTER: IBM PC compatible  
(C) OPERATING SYSTEM: PC-DOS/MS-DOS  
(D) SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)

(vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER:  
(B) FILING DATE:

(2) INFORMATION FOR SEQ ID NO: 1:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 1539 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(vi) ORIGINAL SOURCE:

(A) ORGANISM: Homo sapiens  
(F) TISSUE TYPE: Carcinoma  
(G) CELL TYPE: renal  
(H) CELL LINE: caki-1

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

GGTGCCTGTC GCGGGGAGA GAGGCAATAT CAAGGTTTTA AATCTCGGAG AAATGGCTTA 60

ATTCGTTTGC TTGGCTATCG GATGCTTATA TACCTTTCTG ATAAGCACAA CATTTGGCTG 120

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/077,817DATE: 09/14/1999  
TIME: 17:51:05

INPUT SET: S33326.raw

47	TACAAGCTTT	TGCACTTCAT	CTTCAGACAC	CGAGATAAAA	GTAAACCCTC	CTCAGGATTT	180
48							
49	TGAGATAGTG	GATTATGAAG	AGAACCCGGA	TACTTAGGTT	ATCTCTATTT	GCAATGGCAA	240
50							
51	CCCCCACTGT	CTCTGGATCA	TTTTGTGTTG	TGAAAGGAAT	GCACAGTGGA	ATATGAACTA	300
52							
53	AAATACCGAA	ACATTGGTAG	TGAAACATGG	AAGGCTAGTG	TAGAGGTTAC	CATCATTACT	360
54							
55	AAGAATCTAC	ATTACAAAGA	TGGGTTTGAT	CTTAACAAGG	GCATTGAATT	ATAGAAGGGC	420
56							
57	GAAGATACAC	ACGCTTTTAC	CATGGCAATG	CACAAATGGA	TCAGAAGTTC	AAAGTTCCAA	480
58							
59	TTGCTAGGAG	TGGGCAGAAA	CTACTTATTG	GATATCACCA	CAAGGAATTC	CAGAAACTAA	540
60							
61	AGTTCAGGAT	TAAGTTTTGG	GTAGAATGGA	TTGCGTATAT	TACAATTGGC	AATATTTACT	600
62							
63	CTGTTCTTGG	AAACCTGGCA	TAGGTTACAT	TATGTCTGGG	TACTTCTTGA	TACCAATTAC	660
64							
65	AACTTGTTTT	ACTGGTATGA	GGGCTTGGAT	CATGCATTAA	ATATATTTGG	AAACAGTGTG	720
66							
67	TTGATTACAT	CAAGGCTGAT	GGACAAAATA	TAGGATGCAG	ATTTCCCTAT	TTGGCAATAA	780
68							
69	AGGAGCAGTG	AGGCATCAGA	CTATAAAGAT	TTCTATATTT	GTGTTAATGG	ATCATCAGAG	840
70							
71	AACAAGCCTG	AAATATCAAG	GAATCAGATC	CAGTTATTTT	ACTTTTCAGC	TTCAAAATAT	900
72							
73	AGTTAAACCT	TTGCCGCCAG	TCAGTTGGAA	ATATCTTACT	TTTACTCGGG	AGAGTTCATG	960
74							
75	TGAAATTAAG	CTGAAATGGA	GCATACCTTT	GTTTAGGCGT	GGACCTATTC	CAGCAAGGTG	1020
76							
77	TTTTGATTAT	GAAATTGAGA	TCAGAGAAGA	TGATACTACC	GAAAGCATGG	AGGAATTTTG	1080
78							
79	GTGACTGCTA	CAGTTGAAAA	TGAAACATAC	ACCTTGAAAA	CAACAAATGA	AACCCGAATA	1140
80							
81	ATAGAGTTTT	TAGTAGCAAT	TATGCTTTGT	AGTAAGAAGC	AAAGTGAATA	TTTATTGCTC	1200
82							
83	AGATGACGGA	ATTTGGGCAA	AGAATCAAGT	AGTGAGTGGA	GTGATAAACA	ATGCTGGGAA	1260
84							
85	GGTGAAGACC	TATCGAAGAA	AACCTTGCTA	GTAGCTGGGA	TCGTTTCTGG	CTACCATTTG	1320
86							
87	GTTTCATCTT	AATATTAGTT	ATATTTGTAA	CCGGTCTGCT	TAGTGAATGT	TGCGTAAGCC	1380
88							
89	AAACACCTAC	CCAAAAATGA	TTCCAGAATT	TTTCTGTGAT	ACATGAAGAA	GATTTGCATC	1440
90							
91	TTTCCATATC	AAGAGACATG	GTATTGACTC	AACAGTTTCC	AGTCATGGCC	AAATGTTCAA	1500
92							
93	TATGAGTCTC	AATAAACTGA	ATTTTCTTGG	CGAATGTTG			1539
94							

(2) INFORMATION FOR SEQ ID NO: 2:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 380 amino acids

(B) TYPE: amino acid

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/077,817DATE: 09/14/1999  
TIME: 17:51:06

INPUT SET: S33326.raw

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: protein

(vi) ORIGINAL SOURCE:

(A) ORGANISM: Homo sapiens

(F) TISSUE TYPE: Carcinoma

(G) CELL TYPE: renal

(H) CELL LINE: Caki-1

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:

Met	Ala	Phe	Val	Cys	Leu	Ala	Ile	Gly	Cys	Leu	Tyr	Thr	Phe	Leu	Ile
1				5				10						15	
Ser	Thr	Thr	Phe	Gly	Cys	Thr	Ser	Ser	Ser	Asp	Thr	Glu	Ile	Lys	Val
			20				25						30		
Asn	Pro	Pro	Gln	Asp	Phe	Glu	Ile	Val	Asp	Pro	Gly	Tyr	Leu	Gly	Tyr
		35					40					45			
Leu	Tyr	Leu	Gln	Trp	Gln	Pro	Pro	Leu	Ser	Leu	Asp	His	Phe	Lys	Glu
	50					55					60				
Cys	Thr	Val	Glu	Tyr	Glu	Leu	Lys	Tyr	Arg	Asn	Ile	Gly	Ser	Glu	Thr
65					70					75				80	
Trp	Lys	Thr	Ile	Ile	Thr	Lys	Asn	Leu	His	Tyr	Lys	Asp	Gly	Phe	Asp
			85					90						95	
Leu	Asn	Lys	Gly	Ile	Glu	Ala	Lys	Ile	His	Thr	Leu	Leu	Pro	Trp	Gln
			100					105						110	
Cys	Thr	Asn	Gly	Ser	Glu	Val	Gln	Ser	Ser	Trp	Ala	Glu	Thr	Thr	Tyr
		115					120					125			
Trp	Ile	Ser	Pro	Gln	Gly	Ile	Pro	Glu	Thr	Lys	Val	Gln	Asp	Met	Asp
	130					135						140			
Cys	Val	Tyr	Tyr	Asn	Trp	Gln	Tyr	Leu	Leu	Cys	Ser	Trp	Lys	Pro	Gly
145					150					155				160	
Ile	Gly	Val	Leu	Leu	Asp	Thr	Asn	Tyr	Asn	Leu	Phe	Tyr	Trp	Tyr	Glu
			165					170						175	
Gly	Leu	Asp	His	Ala	Leu	Gln	Cys	Val	Asp	Tyr	Ile	Lys	Ala	Asp	Gly
			180					185					190		
Gln	Asn	Ile	Gly	Cys	Arg	Phe	Pro	Tyr	Leu	Glu	Ala	Ser	Asp	Tyr	Lys
		195					200						205		

# RAW SEQUENCE LISTING PATENT APPLICATION US/09/077,817

DATE: 09/14/1999  
TIME: 17:51:06

INPUT SET: S33326.raw

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153   Asp Phe Tyr Ile Cys Val Asn Gly Ser Ser Glu Asn Lys Pro Ile Arg
154           210                215                220
155
156   Ser Ser Tyr Phe Thr Phe Gln Leu Gln Asn Ile Val Lys Pro Leu Pro
157   225                230                235                240
158
159   Pro Val Tyr Leu Thr Phe Thr Arg Glu Ser Ser Cys Glu Ile Lys Leu
160           245                250                255
161
162   Lys Trp Ser Ile Pro Leu Gly Pro Ile Pro Ala Arg Cys Phe Asp Tyr
163           260                265                270
164
165   Glu Ile Glu Ile Arg Glu Asp Asp Thr Thr Leu Val Thr Ala Thr Val
166           275                280                285
167
168   Glu Asn Glu Thr Tyr Thr Leu Lys Thr Thr Asn Glu Thr Arg Gln Leu
169           290                295                300
170
171   Cys Phe Val Val Arg Ser Lys Val Asn Ile Tyr Cys Ser Asp Asp Gly
172   305                310                315                320
173
174   Ile Trp Ser Glu Trp Ser Asp Lys Gln Cys Trp Glu Gly Glu Asp Leu
175           325                330                335
176
177   Ser Lys Lys Thr Leu Leu Arg Phe Trp Leu Pro Phe Gly Phe Ile Leu
178           340                345                350
179
180   Ile Leu Val Ile Phe Val Thr Gly Leu Leu Leu Arg Lys Pro Asn Thr
181           355                360                365
182
183   Tyr Pro Lys Met Ile Pro Glu Phe Phe Cys Asp Thr
184           370                375                380
185

```

(2) INFORMATION FOR SEQ ID NO: 3:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 4009 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(iii) HYPOTHETICAL: NO

(iii) ANTI-SENSE: NO

(vi) ORIGINAL SOURCE:

- (A) ORGANISM: Homo sapiens
- (F) TISSUE TYPE: Carcinoma
- (G) CELL TYPE: RENAL
- (H) CELL LINE: Caki-1

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/077,817DATE: 09/14/1999  
TIME: 17:51:07

INPUT SET: S33326.raw

206  
207 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:  
208  
209 TCAGCCCGGC CGGGCTCCGA GGCGAGAGGC TGCATGGAGT GGCCGGCGCG GCTCTGCGGG 60  
210  
211 CTGTGGGCGC TGCTGCTCTG CGCCGGCGGC GGGGGCGGGG GCGGGGGCGC CGCGCCTACG 120  
212  
213 GAAACTCAGC CACCTGTGAC AAATTTGAGT GTCTCTGTTG AAAACCTCTG CACAGTAATA 180  
214  
215 TGGACATGGA ATCCACCCGA GGGAGCCAGC TCAAATTGTA GTCTATGGTA TTTTAGTCAT 240  
216  
217 TTTGGCGACA AACAAGATAA GAAAATAGCT CCGGAACTC GTCGTTCAAT AGAAGTACCC 300  
218  
219 CTGAATGAGA GGATTTGTCT GCAAGTGGGG TCCCAGTGTA GCACCAATGA GAGTGAGAAG 360  
220  
221 CCTAGCATTT TGGTTGAAAA ATGCATCTCA CCCCCAGAAG GTGATCCTGA GTCTGCTGTG 420  
222  
223 ACTGAGCTTC AATGCATTTG GCACAACCTG AGCTACATGA AGTGTTCTTG GCTCCCTGGA 480  
224  
225 AGGAATACCA GTCCCGACAC TAACTATACT CTCTACTATT GGCACAGAAG CCTGGAAAAA 540  
226  
227 ATTCATCAAT GTGAAAACAT CTTTAGAGAA GGCCAATACT TTGGTTGTTC CTTTGATCTG 600  
228  
229 ACCAAAGTGA AGGATTCCAG TTTTGAACAA CACAGTGTC AAATAATGGT CAAGGATAAT 660  
230  
231 GCAGGAAAAA TTAAACCATC CTTCAATATA GTGCCTTTAA CTTCCCGTGT GAAACCTGAT 720  
232  
233 CCTCCACATA TTA AAAACCT CTCCTTCCAC AATGATGACC TATATGTGCA ATGGGAGAAT 780  
234  
235 CCACAGAATT TTATTAGCAG ATGCCTATTT TATGAAGTAG AAGTCAATAA CAGCCAACT 840  
236  
237 GAGACACATA ATGTTTTCTA CGTCCAAGAG GCTAAATGTG AGAATCCAGA ATTTGAGAGA 900  
238  
239 AATGTGGAGA ATACATCTTG TTTCATGGTC CCTGGTGTTT TTCCTGATAC TTTGAACACA 960  
240  
241 GTCAGAATAA GAGTCAAAAC AAATAAGTTA TGCTATGAGG ATGACAACT CTGGAGTAAT 1020  
242  
243 TGGAGCCAAG AAATGAGTAT AGGTAAGAAG CGCAATTCCA CACTCTACAT AACCATGTTA 1080  
244  
245 CTCATTGTTC CAGTCATCGT CGCAGGTGCA ATCATAGTAC TCCTGCTTTA CCTAAAAAGG 1140  
246  
247 CTCAAGATTA TTATATTCCC TCCAATTCCCT GATCCTGGCA AGATTTTAA AGAAATGTTT 1200  
248  
249 GGAGACCAGA ATGATGATAC TCTGCACTGG AAGAAGTACG ACATCTATGA GAAGCAAACC 1260  
250  
251 AAGGAGGAAA CCGACTCTGT AGTGCTGATA GAAAACCTGA AGAAAGCCTC TCAGTGATGG 1320  
252  
253 AGATAATTTA TTTTACCTT CACTGTGACC TTGAGAAGAT TCTTCCATT CTCCATTTGT 1380  
254  
255 TATCTGGGAA CTTATTAAAT GGAACTGAA ACTACTGCAC CATTTAAAAA CAGGCAGCTC 1440  
256  
257 ATAAGAGCCA CAGGTCTTTA TGTTGAGTCG CGCACCAGAA AACTAAAAAT AATGGGCGCT 1500  
258

PAGE: 1

**SEQUENCE VERIFICATION REPORT**  
**PATENT APPLICATION US/09/077,817**

DATE: 09/14/1999  
TIME: 17:51:07

*INPUT SET: S33326.raw*

Line

Error

Original Text

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/077,817DATE: 09/14/1999  
TIME: 17:50:47

INPUT SET: S33326.raw

This Raw Listing contains the General  
Information Section and up to the first 5 pages.

## SEQUENCE LISTING

## (1) General Information:

(i) APPLICANT: Caput, Daniel  
Ferrara, Pascual  
Laurent, Patrick  
Vita, Natalio

(ii) TITLE OF INVENTION: IL-13 receptor

(iii) NUMBER OF SEQUENCES: 4

(iv) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Floppy disk  
(B) COMPUTER: IBM PC compatible  
(C) OPERATING SYSTEM: PC-DOS/MS-DOS  
(D) SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)

(vi) CURRENT APPLICATION DATA: L- add heading

## (2) INFORMATION FOR SEQ ID NO: 1:

## (i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 1539 base pairs  
(B) TYPE: nucleic acid  
(C) STRANDEDNESS: single  
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

## (vi) ORIGINAL SOURCE:

(A) ORGANISM: Homo sapiens  
(F) TISSUE TYPE: Carcinoma  
(G) CELL TYPE: renal  
(H) CELL LINE: caki-1

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

GGTGCCTGTC GCGGGGAGA GAGGCAATAT CAAGGTTTTA AATCTCGGAG AAATGGCTTA	60
ATTCGTTTGC TTGGCTATCG GATGCTTATA TACCTTTCTG ATAAGCACAA CATTTGGCTG	120
TACAAGCTTT TGCAC TTCAT CTT CAGACAC CGAGATAAAA GTTAACCCTC CTCAGGATTT	180
TGAGATAGTG GATTATGAAG AGAACCCGGA TACTTAGGTT ATCTCTATTT GCAATGGCAA	240

Does Not Comply  
Corrected Diskette Needed



RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/077,817DATE: 09/14/1999  
TIME: 17:50:47

INPUT SET: S33326.raw

47  
48 CCCCCACTGT CTCTGGATCA TTTTGTGTTG TGAAAGGAAT GCACAGTGGA ATATGAACTA 300  
49  
50 AAATACCGAA ACATTGGTAG TGAAACATGG AAGGCTAGTG TAGAGGTTAC CATCATTACT 360  
51  
52 AAGAATCTAC ATTACAAAGA TGGGTTTGAT CTTAACAAGG GCATTGAATT ATAGAAGGGC 420  
53  
54 GAAGATACAC ACGCTTTTAC CATGGCAATG CACAAATGGA TCAGAAGTTC AAAGTTCCAA 480  
55  
56 TTGCTAGGAG TGGGCAGAAA CTACTTATTG GATATCACCA CAAGGAATTC CAGAACTAA 540  
57  
58 AGTTCAGGAT TAAGTTTTGG GTAGAATGGA TTGCGTATAT TACAATTGGC AATATTTACT 600  
59  
60 CTGTTCTTGG AAACCTGGCA TAGGTTACAT TATGTCTGGG TACTTCTTGA TACCAATTAC 660  
61  
62 AACTTGTTTT ACTGGTATGA GGGCTTGGAT CATGCATTAA ATATATTTGG AAACAGTGTG 720  
63  
64 TTGATTACAT CAAGGCTGAT GGACAAAATA TAGGATGCAG ATTTCCCTAT TTGGCAATAA 780  
65  
66 AGGAGCAGTG AGGCATCAGA CTATAAAGAT TTCTATATTT GTGTTAATGG ATCATCAGAG 840  
67  
68 AACAAGCCTG AAATATCAAG GAATCAGATC CAGTTATTTT ACTTTTCAGC TTCAAAATAT 900  
69  
70 AGTTAAACCT TTGCCGCCAG TCAGTTGGAA ATATCTTACT TTTACTCGGG AGAGTTCATG 960  
71  
72 TGAAATTAAG CTGAAATGGA GCATACCTTT GTTTAGGCGT GGACCTATTC CAGCAAGGTG 1020  
73  
74 TTTTGATTAT GAAATTGAGA TCAGAGAAGA TGATACTACC GAAAGCATGG AGGAATTTTG 1080  
75  
76 GTGACTGCTA CAGTTGAAAA TGAAACATAC ACCTTGAAAA CAACAAATGA AACCCGAATA 1140  
77  
78 ATAGAGTTTT TAGTAGCAAT TATGCTTTGT AGTAAGAAGC AAAGTGAATA TTTATTGCTC 1200  
79  
80 AGATGACGGA ATTTGGGCAA AGAATCAAGT AGTGAGTGGA GTGATAAACA ATGCTGGGAA 1260  
81  
82 GGTGAAGACC TATCGAAGAA AACTTTGCTA GTAGCTGGGA TCGTTTCTGG CTACCATTTG 1320  
83  
84 GTTTCATCTT AATATTAGTT ATATTTGTAA CCGGTCTGCT TAGTGAATGT TGCCTAAGCC 1380  
85  
86 AAACACCTAC CCAAAAATGA TTCCAGAATT TTTCTGTGAT ACATGAAGAA GATTTGCATC 1440  
87  
88 TTTCCATATC AAGAGACATG GTATTGACTC AACAGTTTCC AGTCATGGCC AAATGTTCAA 1500  
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90 TATGAGTCTC AATAAACTGA ATTTTCTTG CGAATGTTG 1539  
91

(2) INFORMATION FOR SEQ ID NO: 2:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 380 amino acids

(B) TYPE: amino acid

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: protein

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/077,817DATE: 09/14/1999  
TIME: 17:50:48

INPUT SET: S33326.raw

100  
101 (vi) ORIGINAL SOURCE:  
102 (A) ORGANISM: Homo sapiens  
103 (F) TISSUE TYPE: Carcinoma  
104 (G) CELL TYPE: renal  
105 (H) CELL LINE: Caki-1  
106  
107  
108 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:  
109  
110 Met Ala Phe Val Cys Leu Ala Ile Gly Cys Leu Tyr Thr Phe Leu Ile  
111 1 5 10 15  
112  
113 Ser Thr Thr Phe Gly Cys Thr Ser Ser Ser Asp Thr Glu Ile Lys Val  
114 20 25 30  
115  
116 Asn Pro Pro Gln Asp Phe Glu Ile Val Asp Pro Gly Tyr Leu Gly Tyr  
117 35 40 45  
118  
119 Leu Tyr Leu Gln Trp Gln Pro Pro Leu Ser Leu Asp His Phe Lys Glu  
120 50 55 60  
121  
122 Cys Thr Val Glu Tyr Glu Leu Lys Tyr Arg Asn Ile Gly Ser Glu Thr  
123 65 70 75 80  
124  
125 Trp Lys Thr Ile Ile Thr Lys Asn Leu His Tyr Lys Asp Gly Phe Asp  
126 85 90 95  
127  
128 Leu Asn Lys Gly Ile Glu Ala Lys Ile His Thr Leu Leu Pro Trp Gln  
129 100 105 110  
130  
131 Cys Thr Asn Gly Ser Glu Val Gln Ser Ser Trp Ala Glu Thr Thr Tyr  
132 115 120 125  
133  
134  
135 Trp Ile Ser Pro Gln Gly Ile Pro Glu Thr Lys Val Gln Asp Met Asp  
136 130 135 140  
137  
138 Cys Val Tyr Tyr Asn Trp Gln Tyr Leu Leu Cys Ser Trp Lys Pro Gly  
139 145 150 155 160  
140  
141 Ile Gly Val Leu Leu Asp Thr Asn Tyr Asn Leu Phe Tyr Trp Tyr Glu  
142 165 170 175  
143  
144 Gly Leu Asp His Ala Leu Gln Cys Val Asp Tyr Ile Lys Ala Asp Gly  
145 180 185 190  
146  
147 Gln Asn Ile Gly Cys Arg Phe Pro Tyr Leu Glu Ala Ser Asp Tyr Lys  
148 195 200 205  
149  
150 Asp Phe Tyr Ile Cys Val Asn Gly Ser Ser Glu Asn Lys Pro Ile Arg  
151 210 215 220  
152

# RAW SEQUENCE LISTING PATENT APPLICATION US/09/077,817

DATE: 09/14/1999

TIME: 17:50:48

INPUT SET: S33326.raw

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153   Ser Ser Tyr Phe Thr Phe Gln Leu Gln Asn Ile Val Lys Pro Leu Pro
154   225                               230                     235             240
155
156   Pro Val Tyr Leu Thr Phe Thr Arg Glu Ser Ser Cys Glu Ile Lys Leu
157                               245                     250             255
158
159   Lys Trp Ser Ile Pro Leu Gly Pro Ile Pro Ala Arg Cys Phe Asp Tyr
160                               260                     265             270
161
162   Glu Ile Glu Ile Arg Glu Asp Asp Thr Thr Leu Val Thr Ala Thr Val
163                               275                     280             285
164
165   Glu Asn Glu Thr Tyr Thr Leu Lys Thr Thr Asn Glu Thr Arg Gln Leu
166   290                               295                     300
167
168   Cys Phe Val Val Arg Ser Lys Val Asn Ile Tyr Cys Ser Asp Asp Gly
169   305                               310                     315             320
170
171   Ile Trp Ser Glu Trp Ser Asp Lys Gln Cys Trp Glu Gly Glu Asp Leu
172                               325                     330             335
173
174   Ser Lys Lys Thr Leu Leu Arg Phe Trp Leu Pro Phe Gly Phe Ile Leu
175                               340                     345             350
176
177   Ile Leu Val Ile Phe Val Thr Gly Leu Leu Leu Arg Lys Pro Asn Thr
178   355                               360                     365
179
180   Tyr Pro Lys Met Ile Pro Glu Phe Phe Cys Asp Thr
181   370                               375                     380
182

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## (2) INFORMATION FOR SEQ ID NO: 3:

## (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 4009 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

## (ii) MOLECULE TYPE: cDNA

## (iii) HYPOTHETICAL: NO

## (iii) ANTI-SENSE: NO

## (vi) ORIGINAL SOURCE:

- (A) ORGANISM: Homo sapiens
- (F) TISSUE TYPE: Carcinoma
- (G) CELL TYPE: RENAL
- (H) CELL LINE: Caki-1

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/077,817DATE: 09/14/1999  
TIME: 17:50:48

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206	TCAGCCCGGC	CGGGCTCCGA	GGCGAGAGGC	TGCATGGAGT	GGCCGGCGCG	GCTCTGCGGG	60
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208	CTGTGGGCGC	TGCTGCTCTG	CGCCGGCGGC	GGGGGCGGGG	GCGGGGCGCG	CGCGCCTACG	120
209							
210	GAAACTCAGC	CACCTGTGAC	AAATTTGAGT	GTCTCTGTTG	AAAACCTCTG	CACAGTAATA	180
211							
212	TGGACATGGA	ATCCACCCGA	GGGAGCCAGC	TCAAATTGTA	GTCTATGGTA	TTTtagTCAT	240
213							
214	TTTGGCGACA	AACAAGATAA	GAAAATAGCT	CCGGAAACTC	GTGTTCAAT	AGAAGTACCC	300
215							
216	CTGAATGAGA	GGATTTGTCT	GCAAGTGGGG	TCCCAGTGTA	GCACCAATGA	GAGTGAGAAG	360
217							
218	CCTAGCATTT	TGGTTGAAAA	ATGCATCTCA	CCCCCAGAAG	GTGATCCTGA	GTCTGCTGTG	420
219							
220	ACTGAGCTTC	AATGCATTTG	GCACAACCTG	AGCTACATGA	AGTGTTCCTG	GCTCCCTGGA	480
221							
222	AGGAATACCA	GTCCCACAC	TAACATACT	CTCTACTATT	GGCACAGAAG	CCTGGAAAAA	540
223							
224	ATTCATCAAT	GTGAAAACAT	CTTTAGAGAA	GGCCAATACT	TTGGTTGTTC	CTTTGATCTG	600
225							
226	ACCAAAGTGA	AGGATTCCAG	TTTTGAACAA	CACAGTGTC	AAATAATGGT	CAAGGATAAT	660
227							
228	GCAGGAAAAA	TTAAACCATC	CTTCAATATA	GTGCCTTTAA	CTTCCCGTGT	GAAACCTGAT	720
229							
230	CCTCCACATA	TTAAAAACCT	CTCCTTCCAC	AATGATGACC	TATATGTGCA	ATGGGAGAAT	780
231							
232	CCACAGAATT	TTATTAGCAG	ATGCCTATTT	TATGAAGTAG	AAGTCAATAA	CAGCCAAACT	840
233							
234	GAGACACATA	ATGTTTTCTA	CGTCCAAGAG	GCTAAATGTG	AGAATCCAGA	ATTTGAGAGA	900
235							
236	AATGTGGAGA	ATACATCTTG	TTTCATGGTC	CCTGGTGTTT	TTCCTGATAC	TTTGAACACA	960
237							
238	GTCAGAATAA	GAGTCAAAAC	AAATAAGTTA	TGCTATGAGG	ATGACAAACT	CTGGAGTAAT	1020
239							
240	TGGAGCCAAG	AAATGAGTAT	AGGTAAGAAG	CGCAATTCCA	CACTCTACAT	AACCATGTTA	1080
241							
242	CTCATTGTTC	CAGTCATCGT	CGCAGGTGCA	ATCATAGTAC	TCCTGCTTTA	CCTAAAAAGG	1140
243							
244	CTCAAGATTA	TTATATTCCC	TCCAATTCCCT	GATCCTGGCA	AGATTTTTTA	AGAAATGTTT	1200
245							
246	GGAGACCAGA	ATGATGATAC	TCTGCACTGG	AAGAAGTACG	ACATCTATGA	GAAGCAAACC	1260
247							
248	AAGGAGGAAA	CCGACTCTGT	AGTGCTGATA	GAAAACCTGA	AGAAAGCCTC	TCAGTGATGG	1320
249							
250	AGATAATTTA	TTTTTACCTT	CACTGTGACC	TTGAGAAGAT	TCTTCCCATT	CTCCATTTGT	1380
251							
252	TATCTGGGAA	CTTATTAAAT	GGAAACTGAA	ACTACTGCAC	CATTTAAAAA	CAGGCAGCTC	1440
253							
254	ATAAGAGCCA	CAGGTCTTTA	TGTTGAGTCG	CGCACCGAAA	AACTAAAAAT	AATGGGCGCT	1500
255							
256	TTGGAGAAGA	GTGTGGAGTC	ATTCTCATTG	AATTATAAAA	GCCAGCAGGC	TTCAAAC TAG	1560
257							
258	GGGACAAAGC	AAAAAGTGAT	GATAGTGGTG	GAGTTAATCT	TATCAAGAGT	TGTGACAACT	1620

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**SEQUENCE VERIFICATION REPORT**  
**PATENT APPLICATION US/09/077,817**

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**SEQUENCE MISSING ITEM REPORT**  
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APPLICATION NUMBER  
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**SEQUENCE CORRECTION REPORT**  
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